



13281 U.S. PTO  
120203

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*Patent, Trademark and Copyright Causes*  
*Unfair Competition, Trade Secrets,*  
*Licensing and Litigation*

*++ Of Counsel*

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*\* Practice limited to Matters and Proceedings*  
*before Federal Courts and Agencies; not*  
*Admitted in DC*

*\*\* Registered Patent Agent: not Admitted in DC*

## FORM PTO-1082

### TRANSMITTAL FOR NEW U.S. PATENT APPLICATION

Commissioner for Patents  
 P.O. Box 1450  
 Alexandria, VA 22313-1450

22390 US PTO  
10/724891  
120203

Re: New U.S. Patent Application  
 For: BALL GRID ARRAY PACKAGE WITH HEAT SINK DEVICE  
 Inventor(s): Chung-Ju WU et al.  
 Attorney Docket: 82547

Sir:

Attached hereto is the application identified above, including:

25 Pages Application Consisting of:  
14 Pages of Textual Specification  
6 Pages of 20 Claims  
1 Abstract of the Disclosure  
4 Sheets of drawings.

Executed Inventor's Declaration

The Government filing fee\* is calculated as follows:

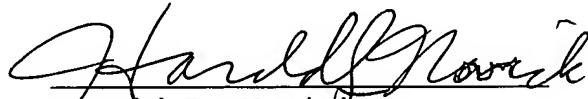
Total Claims . . . . .	<u>20</u>	-	<u>20</u>	=	<u>.0.</u>	x	\$18.00	=	\$ .0 .00
Independent Claims . . . . .	<u>3</u>	-	<u>3</u>	=	<u>0</u>	x	\$86.00	=	\$ 0 .00
Base Fee . . . . .								.	\$770.00
Multiple Dependent Claim Fee (\$290.00)	.	.	.	.	.	.	.	.	\$ 0 .00
	Subtotal . . . . .							<u>\$770.00</u>	

**TOTAL FILING FEE\***  
 (accounting for possible small entity status) . . . . . \$ 770.00

- Preliminary Amendment reducing filing fees is submitted herewith
- \*Reduced by one-half, as applicant(s) is/are a "small entity". A Declaration Claiming Small Entity Status:
- Foreign priority is claimed under 35 U.S.C. § 119 from \_\_\_\_\_ Patent Application(s) No. \_\_\_\_\_ dated \_\_\_\_\_.
- Priority document(s) will be submitted at a later date.
- A copy of the Priority document(s) is/are submitted herewith.
- Executed Declaration(s) will be submitted at a later date pursuant to 37 CFR § 1.41 and § 1.53, with an appropriate surcharge under 37 CFR § 1.16(e).
- Formal drawing(s) is/are attached.
- Formal drawing(s) will be submitted at a later date.
- Assignment document(s) is/are submitted herewith; the recordation fee of \$40.00 per document is enclosed herewith.
- A Verified Translation will be submitted at a later date.
- No payment is enclosed at this time. Full payment will be made when the executed Declaration is submitted.
- Submitted herewith is a check in the amount of \$ 770.00. The Commissioner is hereby authorized to charge any deficiency or credit any excess to Deposit Account No. 14-0112.

Respectfully submitted,

NATH & ASSOCIATES PLLC



Harold L. Novick  
Registration No. 26,011

Date : December 2, 2003 Customer No. 20,529

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MAIL STOP PATENT APPLICATION  
Attorney Docket No. 82547

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of

Chung-Ju WU et al.

Serial No. Not Yet Assigned

Filed: December 2, 2003

For: **BALL GRID ARRAY PACKAGE WITH HEAT SINK DEVICE**

**TRANSMITTAL LETTER**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

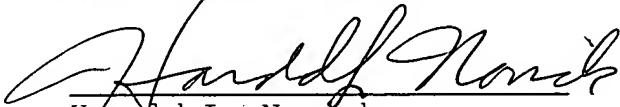
Submitted herewith for filing in the U.S. Patent and Trademark Office is the following:

- (1) Transmittal Letter;
- (2) Transmittal For New U.S. Patent Application  
PTO form 1082-  
25 Pages Application Consisting of:  
14 Pages of Textual Specification  
6 Pages of 20 Claims  
1 Abstract of the Disclosure  
4 Sheets of drawings.
- (3) Executed Inventor's Declaration;
- (4) Assignment and Cover Sheet;
- (5) Check No. 19880 in the Amount of \$770.00;
- (6) Check No. 19881 in the Amount of \$ 40.00; and
- (7) Early Notification Serial Number Postcard.

Please charge any required fee, or credit any overpayment, in connection with this matter to Deposit Account No. 14-0112.

Respectfully submitted,

NATH & ASSOCIATES PLLC



Harold L. Novick  
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Date: December 2, 2003

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